FEMS Microbiology Letters

AUTHOR INDEX VOLUME 90

Abe, H., see Kirimura, K. (90) 235
Abraham, A.M., see Corbel, M.J. (90) 245
Aguilar, B., Iturralde, M., Baselga, R. and Amorena, B.
An efficient microtest to study adherence of bacteria to mammalian cells (90) 161
Akagi, M., see Hitotsubashi, S. (90) 249
Ali, Q., see Davies, R.L. (90) 23
Amorena, B., see Aguilar, B. (90) 161
Aragno, M., see Beffa, T. (90) 123
Astolfi-Filho, S., see Pimenta, A.L. (90) 11
Azizbekyan, R.R., see Smirnova, T.A. (90) 1

Bainbridge, B.W., see Markham, P. (90) 217
Baselga, R., see Aguilar, B. (90) 161
Beffa, T., Berczy, M. and Aragno, M.
Inhibition of respiratory oxidation of elemental sulfur (S^0) and thiosulfate in *Thiobacillus versutus* and another sulfur-oxidizing bacterium (90) 123
Beighton, D., see Homer, K.A. (90) 259
Berczy, M., see Beffa, T. (90) 123
Bernabé, M., see Leal, J.A. (90) 165
Bertheau, Y., see Kunz, C. (90) 105
Birss, A.J., see Smalley, J.W. (90) 63
Boizet, B., Mata, M., Mignot, O., Ritzenthaler, P. and Sozzi, T.
Taxonomic characterization of *Leuconostoc mesenteroides* and *Leuconostoc oenos* bacteriophage (90) 211
Boller, T., see Kunz, C. (90) 105
Bradley, D.E.
Colicinogeny of O55 EPEC diarrhoeagenic *Escherichia coli* (90) 49
Brambl, R., see Hill, E.P. (90) 111
Brambl, R., see Plesofsky-Vig, N. (90) 117
Brocchi, E., see Cevenini, R. (90) 147
Brown, I.N., see Taylor, M.B. (90) 79
Brown, P.R., see Joannou, C.L. (90) 205
Bulmer, K., see Wheeler, P.R. (90) 169
Burgess, J.G., see Takeyama, H. (90) 95
Busolo, F., Palù, G. and Conventi, L.
Influence of yeasts and of their constituents on nucleoside uptake in peritoneal murine macrophages (90) 5

Carrington, C., see Miles, R.J. (90) 283
Cavaness, J., see Chien, C.-T. (90) 135
Cevenini, R., Sambri, V., Massaria, F., La Placa, M., Brocchi, E. and De Simone, F.
Complement-mediated in vitro bactericidal activity of monoclonal antibodies reactive with outer-surface-protein OspB of *Borrelia burgdorferi* (90) 147
Chalkley, L., Schuster, C., Potgieter, E. and Hakenbeck, R.
Relatedness between *Streptococcus pneumoniae* and viridans streptococci: transfer of penicillin resistance determinants and immunological similarities of penicillin-binding proteins (90) 35
Chandhoke, V., Goodell, B., Jellison, J. and Fekete, F.A.
Oxidation of 2-keto-4-thiomethylbutyric acid (KTBA) by iron-binding compounds produced by the wood-decaying fungus *Gloeophyllum trabeum* (90) 263
Chien, C.-T., Maundu, J., Cavaness, J., Dandurand, L.-M. and Orser, C.S.
Characterization of salt-tolerant and salt-sensitive mutants of *Rhizobium leguminosarum* biovar *viciae* strain C1204b (90) 135
Clavel-Sérès, S., see Houssaini-Iraqui, M. (90) 239
Čobeljić, M., see Stojiljković, I. (90) 89
Cole, J.A., see Parsons, N.J. (90) 295
Conventi, L., see Busolo, F. (90) 5
Coote, J.G., see Davies, R.L. (90) 23
Corbel, M.J. and Abraham, A.M.
Agglutination of *Bordetella* species by lectins (90) 245
Curry, A., see Parsons, N.J. (90) 295

Dale, J.W., see Wheeler, P.R. (90) 169
Dandurand, L.-M., see Chien, C.-T. (90) 135
David, H.L., see Houssaini-Iraqui, M. (90) 239
Davies, R.L., Ali, Q., Parton, R., Coote, J.G., Gibbs, A. and Freer, J.H.
Optimal conditions for the analysis of *Pasteurella haemolytica* lipopolysaccharide by sodium dodecyl sulphate-polyacrylamide gel electrophoresis (90) 23
De Simone, F., see Cevenini, R. (90) 147

Evers, M.E., Höhfeld, J., Kunau, W.H., Harder, W. and Veenhuis, M.
Physiological studies on the utilization of oleic acid by *Saccharomyces cerevisiae* in relation to microbody development (90) 73
Ezaki, T., see Hashimoto, Y. (90) 53

Faguy, D.M., Koval, S.F. and Jarrell, K.F.
Correlation between glycosylation of flagellin proteins and sensitivity of flagellar filaments to Triton X-100 in methanogens (90) 129
Farkašovský, M., Kormanec, J. and Kollárová, M.
RNA polymerase heterogeneity in *Streptomyces aureofa-*

ciens: characterization by antibody-linked polymerase assay (90) 57
Fasciano, A. and Hallenbeck, P.C.
The role of *ntrA* in the anaerobic metabolism of *Salmonella typhimurium* (90) 101
Fekete, F.A., see Chandhoke, V. (90) 263
Fox, A.J., see Parsons, N.J. (90) 295
Freer, J.H., see Davies, R.L. (90) 23
Fujii, Y., see Hitotsubashi, S. (90) 249
Fukuda, S., see Kirimura, K. (90) 235
Furlaneto, M.C. and Pizzirani-Kleiner, A.A.
Intraspecific hybridisation of *Trichoderma pseudokoningii* by anastomosis and by protoplast fusion (90) 191

Galperin, M.Y., see Smirnova, T.A. (90) 1
Gibbons, R.J., see Kishimoto, E. (90) 19
Gibbs, A., see Davies, R.L. (90) 23
Glaser, L., see Plesofsky-Vig, N. (90) 117
Goldsworthy, M., see Stanley, J. (90) 153
Gómez-Miranda, B., see Leal, J.A. (90) 165
Goodell, B., see Chandhoke, V. (90) 263
Guerrero, C., see Leal, J.A. (90) 165

Hakenbeck, R., see Chalkley, L. (90) 35
Hallenbeck, P.C., see Fasciano, A. (90) 101
Harder, W., see Evers, M.E. (90) 73
Hashimoto, Y., Ezaki, T., Li, N. and Yamamoto, H.
Molecular cloning of the *ViaB* region of *Salmonella typhi* (90) 53
Hay, D.I., see Kishimoto, E. (90) 19
Hill, E.P., Plesofsky-Vig, N., Paulson, A. and Brambl, R.
Respiration and gene expression in germinating ascospores of *Neurospora tetrasperma* (90) 111
Hill, E.P., see Plesofsky-Vig, N. (90) 117
Hirvas, L. and Vaara, M.
Effect of Ssc protein mutations on the outer membrane permeability barrier function in *Salmonella typhimurium*: a study using *ssc* mutant alleles made by site-directed mutagenesis (90) 289
Hitotsubashi, S., Akagi, M., Saitou, A., Yamanaka, H., Fujii, Y. and Okamoto, K.
Action of *Escherichia coli* heat-stable enterotoxin II on isolated sections of mouse ileum (90) 249
Höhfeld, J., see Evers, M.E. (90) 73
Homer, K.A. and Beighton, D.
Synergistic degradation of bovine serum albumin by mutans streptococci and other dental plaque bacteria (90) 259
Hookey, J.V.
Detection of Leptospiraceae by amplification of 16S ribosomal DNA (90) 267
Horiguchi, Y., Matsuda, H., Koyama, H., Nakai, T. and Kume, K.
Bordetella bronchiseptica dermonecrotizing toxin suppresses in vivo antibody responses in mice (90) 229
Houssaini-Iraqui, M., Lazraq, R., Clavel-Sérès, S., Rastogi, N. and David, H.L.
Cloning and expression of *Mycobacterium aurum* carotenogenesis genes in *Mycobacterium smegmatis* (90) 239

Isaacson, R.E. and Start, G.L.
Analysis of K99 plasmids from enterotoxigenic *Escherichia coli* (90) 141
Iturralde, M., see Aguilar, B. (90) 161

Janda, J.M. and Kokka, R.P.
The pathogenicity of *Aeromonas* strains relative to genospecies and phenospecies identification (90) 29
Jarrell, K.F., see Faguy, D.M. (90) 129
Jellison, J., see Chandhoke, V. (90) 263
Joannou, C.L. and Brown, P.R.
NAD-dependent glutamate dehydrogenase from *Pseudomonas aeruginosa* is a membrane-bound enzyme (90) 205
Jones, D.M., see Parsons, N.J. (90) 295

Kallio, A., see Korpela, K. (90) 173
Kanayama, S., see Kirimura, K. (90) 235
Kirimura, K., Fukuda, S., Abe, H., Kanayama, S. and Usami, S.
Physical mapping of the mitochondrial DNA from *Aspergillus niger* (90) 235
Kishimoto, E., Hay, D.I. and Gibbons, R.J.
Inhibition of adhesion-promoting activity of a human salivary protein which promotes adhesion of *Streptococcus mutans* JBP to hydroxyapatite (90) 19
Kokka, R.P., see Janda, J.M. (90) 29
Kollárová, M., see Farkašovský, M. (90) 57
Kormanec, J., see Farkašovský, M. (90) 57
Korpela, K., Laaksonen, M., Kallio, A., Söderlund, H., Pettersson, U., Kyrönseppä, H. and Ranki, M.
Detection of *Plasmodium falciparum* DNA in a microtitration plate-based hybridization test (90) 173
Koval, S.F., see Faguy, D.M. (90) 129
Koyama, H., see Horiguchi, Y. (90) 229
Krone, U.E. and Thauer, R.K.
Dehalogenation of trichlorofluoromethane (CFC-11) by *Methanosarcina barkeri* (90) 201
Kulinich, L.I., see Smirnova, T.A. (90) 1
Kume, K., see Horiguchi, Y. (90) 229
Kunau, W.H., see Evers, M.E. (90) 73
Kunz, C., Ludwig, A., Bertheau, Y. and Boller, T.
Evaluation of the antifungal activity of the purified chitinase 1 from the filamentous fungus *Aphanocladium album* (90) 105
Kyrönseppä, H., see Korpela, K. (90) 173

Laaksonen, M., see Korpela, K. (90) 173
La Placa, M., see Cevenini, R. (90) 147
Latsch, M., Stemmer, F. and Loos, M.
Purification and characterization of LPS-free porins isolated from *Salmonella minnesota* (90) 275
Lazraq, R., see Houssaini-Iraqui, M. (90) 239

Leal, J.A., Guerrero, C., Gómez-Miranda, B., Prieto, A. and Bernabé, M.
Chemical and structural similarities in wall polysaccharides of some *Penicillium, Eupenicillium* and *Aspergillus* species (90) 165
Lenander-Lumikari, M., see Soukka, T. (90) 223
Li, N., see Hashimoto, Y. (90) 53
Loos, M., see Latsch, M. (90) 275
Ludwig, A., see Kunz, C. (90) 105

Markham, P. and Bainbridge, B.W.
Effect of choline deprivation on the growth, morphology and ultrastructure of a choline-requiring mutant of *Aspergillus nidulans* (90) 217
Marsh, P.D., see Smalley, J.W. (90) 63
Massaria, F., see Cevenini, R. (90) 147
Mata, M., see Boizet, B. (90) 211
Matsuda, H., see Horiguchi, Y. (90) 229
Matsunaga, T., see Takeyama, H. (90) 95
Maundu, J., see Chien, C.-T. (90) 135
McKee, A.S., see Smalley, J.W. (90) 63
Mignot, O., see Boizet, B. (90) 211
Miles, R.J., Siu, E.L.T., Carrington, C., Richardson, A.C., Smith, B.V. and Price, R.G.
The detection of lipase activity in bacteria using novel chromogenic substrates (90) 283
Misawa, N., see Sandmann, G. (90) 253

Nakai, T., see Horiguchi, Y. (90) 229
Norman, E., see Wheeler, P.R. (90) 169

Okamoto, K., see Hitotsubashi, S. (90) 249
Orser, C.S., see Chien, C.-T. (90) 135

Palù, G., see Busolo, F. (90) 5
Parsons, N.J., Curry, A., Fox, A.J., Jones, D.M., Cole, J.A. and Smith, H.
The serum resistance of gonococci in the majority of urethral exudates is due to sialylated lipopolysaccharide seen as a surface coat (90) 295
Parton, R., see Davies, R.L. (90) 23
Paulson, A., see Hill, E.P. (90) 111
Paulson, A., see Plesofsky-Vig, N. (90) 117
Pettersson, U., see Korpela, K. (90) 173
Piepersberg, W., see Stockmann, M. (90) 185
Pimenta, A.L., Rosato, Y.B. and Astolfi-Filho, S.
Expression of a subcloned alpha-amylase gene under the control of a *Xanthomonas campestris* promoter (90) 11
Pizzirani-Kleiner, A.A., see Furlaneto, M.C. (90) 191
Plesofsky-Vig, N., Paulson, A., Hill, E.P., Glaser, L. and Brambl, R.
Heat shock gene expression in germinating ascospores of *Neurospora tetrasperma* (90) 117
Plesofsky-Vig, N., see Hill, E.P. (90) 111
Potgieter, E., see Chalkley, L. (90) 35
Price, R.G., see Miles, R.J. (90) 283
Prieto, A., see Leal, J.A. (90) 165

Ranki, M., see Korpela, K. (90) 173
Rastogi, N., see Houssaini-Iraqui, M. (90) 239
Ratledge, C., see Wheeler, P.R. (90) 169
Richardson, A.C., see Miles, R.J. (90) 283
Ritzenthaler, P., see Boizet, B. (90) 211
Robson, G.D., see Wiebe, M.G. (90) 179
Rosato, Y.B., see Pimenta, A.L. (90) 11

Saitou, A., see Hitotsubashi, S. (90) 249
Salaj-Šmic, E., see Stojiljković, I. (90) 89
Sambri, V., see Cevenini, R. (90) 147
Sandlin, R. and Stein, D.C.
Structural heterogeneity of the lipopolysaccharides of the Neisseriaceae (90) 69
Sandmann, G. and Misawa, N.
New functional assignment of the carotenogenic genes *crtB* and *crtE* with constructs of these genes from *Erwinia* species (90) 253
Schink, B., see Strohhäcker, J. (90) 83
Schuster, C., see Chalkley, L. (90) 35
Simpson, W.J.
Neutralisation of the antibacterial action of quaternary ammonium compounds with cyclodextrins (90) 197
Siu, E.L.T., see Miles, R.J. (90) 283
Smalley, J.W., Birss, A.J., McKee, A.S. and Marsh, P.D.
Haemin-restriction influences haemin-binding, haemagglutination and protease activity of cells and extracellular membrane vesicles of *Porphyromonas gingivalis* W50 (90) 63
Smirnova, T.A., Kulinich, L.I., Galperin, M.Y. and Azizbekyan, R.R.
Subspecies-specific haemagglutination patterns of fimbriated *Bacillus thuringiensis* spores (90) 1
Smith, B.V., see Miles, R.J. (90) 283
Smith, H., see Parsons, N.J. (90) 295
Sode, K., see Takeyama, H. (90) 95
Söderlund, H., see Korpela, K. (90) 173
Soukka, T., Tenovuo, J. and Lenander-Lumikari, M.
Fungicidal effect of human lactoferrin against *Candida albicans* (90) 223
Sozzi, T., see Boizet, B. (90) 211
Stanley, J., Goldsworthy, M. and Threlfall, E.J.
Molecular phylogenetic typing of pandemic isolates of *Salmonella enteritidis* (90) 153
Start, G.L., see Isaacson, R.E. (90) 141
Stein, D.C., see Sandlin, R. (90) 69
Stemmer, F., see Latsch, M. (90) 275
Stockmann, M. and Piepersberg, W.
Gene probes for the detection of 6-deoxyhexose metabolism in secondary metabolite-producing streptomycetes (90) 185
Stojiljković, I., Čobeljić, M., Trgovčević, Ž. and Salaj-Šmic, E.
The ability of rifampin-resistant *Escherichia coli* to colonize the mouse intestine is enhanced by the presence of a plasmid-encoded aerobactin-iron(III) uptake system (90) 89

Strohhäcker, J. and Schink, B.
Energetic aspects of malate and lactate fermentation by *Acetobacterium malicum* (90) 83
Sudo, H., see Takeyama, H. (90) 95

Takeyama, H., Burgess, J.G., Sudo, H., Sode, K. and Matsunaga, T.
Salinity-dependent copy number increase of a marine cyanobacterial endogenous plasmid (90) 95
Taylor, M.B. and Brown, I.N.
Histone preopsonisation increases the respiratory burst response of phagocytes to *Pneumocystis carinii* (90) 79
Tenovuo, J., see Soukka, T. (90) 223
Thauer, R.K., see Krone, U.E. (90) 201
Threlfall, E.J., see Stanley, J. (90) 153
Trgovčević, Ž., see Stojiljković, I. (90) 89
Trinci, A.P.J., see Wiebe, M.G. (90) 179
Tully, M.
A plasmid from a virulent strain of *Legionella pneumophila* is conjugative and confers resistance to ultraviolet light (90) 43

Usami, S., see Kirimura, K. (90) 235

Vaara, M., see Hirvas, L. (90) 289
Veenhuis, M., see Evers, M.E. (90) 73

Wheeler, P.R., Bulmer, K., Ratledge, C., Dale, J.W. and Norman, E.
Control of acyl-CoA carboxylase activity in mycobacteria (90) 169
Wiebe, M.G., Robson, G.D. and Trinci, A.P.J.
Evidence for the independent regulation of hyphal extension and branch initiation in *Fusarium graminearum* A 3/5 (90) 179

Yamamoto, H., see Hashimoto, Y. (90) 53
Yamanaka, H., see Hitotsubashi, S. (90) 249

FEMS Microbiology Letters

SUBJECT INDEX VOLUME 90

Acetobacterium malicum
Malate fermentation; Lactate fermentation; Growth yield (Strohhäcker, J. (90) 83)

Adherence
Staphylococcus aureus; Mastitis; Microtest; Epithelial cell (Aguilar, B. (90) 161)

Adhesion
Pili; Southern hybridization; Restriction fragments; Enterotoxigenic; Epidemiology; Escherichia coli (Isaacson, R.E. (90) 141)

Adhesion-promoting protein
Amine; Bacterial adhesion; Inhibition; Pellicle; Submandibular-sublingual saliva; *Streptococcus mutans* JBP (Kishimoto, E. (90) 19)

Aerobactin
Escherichia coli; Iron transport; Siderophore; Rifampin resistance; Colonization of mouse intestine (Stojiljković, I. (90) 89)

Aeromonas
Pathogenicity; Virulence (Janda, J.M. (90) 29)

Agglutination
Bordetella sp.; Lectin; Lipopolysaccharide (Corbel, M.J. (90) 245)

AIDS
Pneumocystis carinii; Respiratory burst; Histone; Polymorphonuclear leucocyte; Macrophage; Phagocyte (Taylor, M.B. (90) 79)

Amine
Adhesion-promoting protein; Bacterial adhesion; Inhibition; Pellicle; Submandibular-sublingual saliva; *Streptococcus mutans* JBP (Kishimoto, E. (90) 19)

Amylase
Xanthomonas campestris; Promoter (Pimenta, A.L. (90) 11)

Anaerobic archaebacteria
Halomethane degradation; Reductive dehalogenation; Methanogenic bacteria; *Methanobacterium barkeri* (Krone, U.E. (90) 201)

Anaerobic metabolism
Salmonella typhimurium; Gene *ntrA*; Hydrogenase; Fumarate reductase (Fasciano, A. (90) 101)

Anastomosis
Trichoderma pseudokoningii; Heterokaryon; Protoplast fusion; Recombinant; Parasexuality; Cellulase (Furlaneto, M.C. (90) 191)

Antibody-linked polymerase assay
RNA polymerase; *Streptomyces aureofaciens* (Farkašovský, M. (90) 57)

Antimicrobial agents
Lactoferrin; *Candida albicans*; Yeasts; Saliva (Soukka, T. (90) 223)

Aphanocladium album
Pisum sativum; Rust hyperparasite; Pea; Chitinase; β-1,3-Glucanase; Fungal growth inhibition (Kunz, C. (90) 105)

Archaebacteria (archaea)
Methanogen; Flagella; Triton X-100; Detergent; Glycoprotein (Faguy, D.M. (90) 129)

Ascospore
Neurospora tetrasperma; Spore germination; Cyanide-sensitive respiration; Gene expression; Mitochondrial ATPase (Hill, E.P. (90) 111)

Neurospora tetrasperma; Spore germination; Gene expression; Heat shock protein; Cytosine methylation (Plesofsky-Vig, N. (90) 117)

Aspergillus
Penicillium; *Eupenicillium*; Cell wall polysaccharides; β-(1-5)-Galatofuran; α-(1-3)-Glucan (Leal, J.A. (90) 165)

Aspergillus nidulans
Choline-requiring mutant (*cho*C3); Polarised growth; Unpolarised growth; Ultrastructure; Wall thickness (Markham, P. (90) 217)

Aspergillus niger
Mitochondrial DNA; Restriction mapping (Kirimura, K. (90) 235)

Bacillus thuringiensis
Electron microscopy; Fimbriation; Haemagglutination (Smirnova, T.A. (90) 1)

Bacterial adhesion
Adhesion-promoting protein; Amine; Inhibition; Pellicle; Submandibular-sublingual saliva; *Streptococcus mutans* JBP (Kishimoto, E. (90) 19)

Bacteriophage
Leuconostoc oenos; *Leuconostoc mesenteroides*; Taxonomy (Boizet, B. (90) 211)

Biochemical characterisation
Lipase; Esterase; Lipolytic bacteria; Chromogenic substrate (Miles, R.J. (90) 283)

Biotin
Mycobacterium leprae; Lipid synthesis (Wheeler, P.R. (90) 169)

Bordetella bronchiseptica
Dermonecrotizing toxin; Splenoatrophy; Immunosuppression (Horiguchi, Y. (90) 229)

***Bordetella* sp.**
Lectin; Agglutination; Lipopolysaccharide (Corbel, M.J. (90) 245)

Borrelia burgdorferi
Surface proteins; Monoclonal antibodies; Complement; Borreliacidal activity (Cevenini, R. (90) 147)

Borreliacidal activity
Borrelia burgdorferi; Surface proteins; Monoclonal antibodies; Complement (Cevenini, R. (90) 147)

Branching
Edifenphos (Hinosan); Choline; Mycelial growth; *Fusarium graminearum* (Wiebe, M.G. (90) 179)

Candida albicans
Uridine uptake; Peritoneal macrophage; *Saccharomyces cerevisiae*; Zymosan; Laminarin (Busolo, F. (90) 5)

Lactoferrin; Yeasts; Saliva; Antimicrobial agents (Soukka, T. (90) 223)

Carotenogenesis
Cloning; Gene expression; *Mycobacterium aurum* (Houssaini-Iraqui, M. (90) 239)

Carotenogenic genes
Gene *crtB*; Gene *crtE*; Geranylgeranyl pyrophosphate synthase; Phytoene accumulation; Phytoene synthase (Sandmann, G. (90) 253)

Cellulase
Trichoderma pseudokoningii; Heterokaryon; Anastomosis; Protoplast fusion; Recombinant; Parasexuality (Furlaneto, M.C. (90) 191)

Cellulose
Chelator; 2-*keto*-4-Thiomethylbutyric acid; Ethylene; One-electron oxidation; Wood decay; *Gloeophyllum trabeum* (Chandhoke, V. (90) 263)

Cell wall polysaccharides
Penicillium; *Eupenicillium*; *Aspergillus*; β-(1-5)-Galatofuran; α-(1-3)-Glucan (Leal, J.A. (90) 165)

Chelator
2-*keto*-4-Thiomethylbutyric acid; Ethylene; One-electron oxidation; Cellulose; Wood decay; *Gloeophyllum trabeum* (Chandhoke, V. (90) 263)

Chemolithotrophy
Thiobacillus versutus; Thiosulfate; Elemental sulfur; Respiratory activity; Inhibitor; Cytochrome (Beffa, T. (90) 123)

Chitinase
Aphanocladium album; *Pisum sativum*; Rust hyperparasite; Pea; β-1,3-Glucanase; Fungal growth inhibition (Kunz, C. (90) 105)

Choline
Edifenphos (Hinosan); Branching; Mycelial growth; *Fusarium graminearum* (Wiebe, M.G. (90) 179)

Choline-requiring mutant (*cho*C3)
Aspergillus nidulans; Polarised growth; Unpolarised growth; Ultrastructure; Wall thickness (Markham, P. (90) 217)

Chromogenic substrate
Lipase; Esterase; Lipolytic bacteria; Biochemical characterisation (Miles, R.J. (90) 283)

Citrobacter freundii
Salmonella typhi; Vi antigen, *ViaB* locus; Cloning (Hashimoto, Y. (90) 53)

Cloning
Salmonella typhi; *Citrobacter freundii*; Vi antigen, *ViaB* locus (Hashimoto, Y. (90) 53)

Gene expression; Carotenogenesis; *Mycobacterium aurum* (Houssaini-Iraqui, M. (90) 239)

Colicin
Pathogenic; *Escherichia coli* (Bradley, D.E. (90) 49)

Colonization of mouse intestine
Escherichia coli; Iron transport; Siderophore; Aerobactin; Rifampin resistance (Stojiljković, I. (90) 89)

Complement
Borrelia burgdorferi; Surface proteins; Monoclonal antibodies; Borreliacidal activity (Cevenini, R. (90) 147)

Conjugative
Legionella pneumophila; Plasmid; UV resistance (Tully, M. (90) 43)

Continuous cultures
Peroxisomes; Peroxisome-deficient *(pas)* mutant; Oleic acid; β-Oxidation; *Saccharomyces cerevisiae* (Evers, M.E. (90) 73)

Contraction
Escherichia coli STII; Intestine; Spontaneous motility; Diarrhea (Hitotsubashi, S. (90) 249)

Copy number
Marine cyanobacterium; *Synechococcus*; Plasmid; Sodium chloride (Takeyama, H. (90) 95)

Cyanide-sensitive respiration
Neurospora tetrasperma; Ascospore; Spore germination; Gene expression; Mitochondrial ATPase (Hill, E.P. (90) 111)

Cyclodextrin
Neutralisation; Quaternary ammonium compound (Simpson, W.J. (90) 197)

Cytochrome
Thiobacillus versutus; Chemolithotrophy; Thiosulfate; Elemental sulfur; Respiratory activity; Inhibitor (Beffa, T. (90) 123)

Cytosine methylation
Neurospora tetrasperma; Ascospore; Spore germination; Gene expression; Heat shock protein (Plesofsky-Vig, N. (90) 117)

Dental plaque bacteria
Mutans streptococci; Proteolytic activity; Synergism (Homer, K.A. (90) 259)

6-Deoxyhexose metabolism
DNA probe; Streptomycete (Stockmann, M. (90) 185)

Dermonecrotizing toxin
Bordetella bronchiseptica; Splenoatrophy; Immunosuppression (Horiguchi, Y. (90) 229)

Detergent
Archaebacteria (archaea); Methanogen; Flagella; Triton X-100; Glycoprotein (Faguy, D.M. (90) 129)

Diarrhea
Escherichia coli STII; Intestine; Spontaneous motility; Contraction (Hitotsubashi, S. (90) 249)

DNA hybridization
Plasmodium falciparum; Malaria (Korpela, K. (90) 173)

DNA probe
6-Deoxyhexose metabolism; Streptomycete (Stockmann, M. (90) 185)

DNA probes for *Salmonella*
Salmonella enteritidis (Stanley, J. (90) 153)

Edifenphos (Hinosan)
Choline; Branching; Mycelial growth; *Fusarium graminearum* (Wiebe, M.G. (90) 179)

Electron microscopy
Bacillus thuringiensis; Fimbriation; Haemagglutination (Smirnova, T.A. (90) 1)

Elemental sulfur
Thiobacillus versutus; Chemolithotrophy; Thiosulfate; Respiratory activity; Inhibitor; Cytochrome (Beffa, T. (90) 123)

Enterotoxigenic
Pili; Adhesion; Southern hybridization; Restriction fragments; Epidemiology; Escherichia coli (Isaacson, R.E. (90) 141)

Epidemiology
Pili; Adhesion; Southern hybridization; Restriction fragments; Enterotoxigenic; Escherichia coli (Isaacson, R.E. (90) 141)

Epithelial cell
Staphylococcus aureus; Mastitis; Adherence; Microtest (Aguilar, B. (90) 161)

Escherichia coli
Pathogenic; Colicin (Bradley, D.E. (90) 49)

Iron transport; Siderophore; Aerobactin; Rifampin resistance; Colonization of mouse intestine (Stojiljković, I. (90) 89)

Pili; Adhesion; Southern hybridization; Restriction fragments; Enterotoxigenic; Epidemiology (Isaacson, R.E. (90) 141)

Gene *ssc*; Gene *firA*; *Salmonella typhimurium*; Outer membrane; Hydrophobic antibiotic (Hirvas, L. (90) 289)

***Escherichia coli* STII**
Intestine; Spontaneous motility; Contraction; Diarrhea (Hitotsubashi, S. (90) 249)

Esterase
Lipase; Lipolytic bacteria; Biochemical characterisation; Chromogenic substrate (Miles, R.J. (90) 283)

Ethylene
Chelator; 2-*keto*-4-Thiomethylbutyric acid; One-electron oxidation; Cellulose; Wood decay; *Gloeophyllum trabeum* (Chandhoke, V. (90) 263)

Eupenicillium
Penicillium; *Aspergillus*; Cell wall polysaccharides; β-(1-5)-Galatofuran; α-(1-3)-Glucan (Leal, J.A. (90) 165)

Extracellular vesicles
Haemin; Virulence; Protease; *Porphyromonas gingivalis* (Smalley, J.W. (90) 63)

Fimbriation
Electron microscopy; *Bacillus thuringiensis*; Haemagglutination (Smirnova, T.A. (90) 1)

Flagella
Archaebacteria (archaea); Methanogen; Triton X-100; Detergent; Glycoprotein (Faguy, D.M. (90) 129)

Fumarate reductase
Salmonella typhimurium; Gene *ntrA*; Hydrogenase; Anaerobic metabolism (Fasciano, A. (90) 101)

Fungal growth inhibition
Aphanocladium album; *Pisum sativum*; Rust hyperparasite; Pea; Chitinase; β-1,3-Glucanase (Kunz, C. (90) 105)

Fusarium graminearum
Edifenphos (Hinosan); Choline; Branching; Mycelial growth (Wiebe, M.G. (90) 179)

β-(1-5)-Galatofuran
Penicillium; *Eupenicillium*; *Aspergillus*; Cell wall polysaccharides; α-(1-3)-Glucan (Leal, J.A. (90) 165)

Gene *crtB*
Carotenogenic genes; Gene *crtE*; Geranylgeranyl pyrophosphate synthase; Phytoene accumulation; Phytoene synthase (Sandmann, G. (90) 253)

Gene *crtE*
Carotenogenic genes; Gene *crtB*; Geranylgeranyl pyrophosphate synthase; Phytoene accumulation; Phytoene synthase (Sandmann, G. (90) 253)

Gene expression
Neurospora tetrasperma; Ascospore; Spore germination; Cyanide-sensitive respiration; Mitochondrial ATPase (Hill, E.P. (90) 111)

Neurospora tetrasperma; Ascospore; Spore germination; Heat shock protein; Cytosine methylation (Plesofsky-Vig, N. (90) 117)

Cloning; Carotenogenesis; *Mycobacterium aurum* (Houssaini-Iraqui, M. (90) 239)

Gene *firA*
Gene *ssc*; *Salmonella typhimurium*; *Escherichia coli*; Outer membrane; Hydrophobic antibiotic (Hirvas, L. (90) 289)

Gene *ntrA*
Salmonella typhimurium; Hydrogenase; Anaerobic metabolism; Fumarate reductase (Fasciano, A. (90) 101)

Gene *ssc*
Gene *firA*; *Salmonella typhimurium*; *Escherichia coli*; Outer membrane; Hydrophobic antibiotic (Hirvas, L. (90) 289)

Gene transfer
Penicillin resistance; Penicillin-binding protein; *Streptococcus pneumoniae*; Viridans streptococci (Chalkley, L. (90) 35)

Geranylgeranyl pyrophosphate synthase
Carotenogenic genes; Gene *crtB*; Gene *crtE*; Phytoene accumulation; Phytoene synthase (Sandmann, G. (90) 253)

Gloeophyllum trabeum
Chelator; 2-*keto*-4-Thiomethylbutyric acid; Ethylene; One-electron oxidation; Cellulose; Wood decay (Chandhoke, V. (90) 263)

α-(1-3)-Glucan
Penicillium; *Eupenicillium*; *Aspergillus*; Cell wall polysaccharides; β-(1-5)-Galatofuran (Leal, J.A. (90) 165)

β-1,3-Glucanase
Aphanocladium album; *Pisum sativum*; Rust hyperparasite; Pea; Chitinase; Fungal growth inhibition (Kunz, C. (90) 105)

Glutamate dehydrogenase, NAD-dependent
Pseudomonas aeruginosa; Membrane-bound NAD-GDH (Joannou, C.L. (90) 205)

Glycoprotein
Archaebacteria (archaea); Methanogen; Flagella; Triton X-100; Detergent (Faguy, D.M. (90) 129)

Gonococci
Serum resistance; Lipopolysaccharide, sialylated; Surface polysaccharide (Parsons, N.J. (90) 295)

Growth yield
Acetobacterium malicum; Malate fermentation; Lactate fermentation (Strohhäcker, J. (90) 83)

Haemagglutination
Electron microscopy; *Bacillus thuringiensis*; Fimbriation (Smirnova, T.A. (90) 1)

Haemin
Virulence; Protease; Extracellular vesicles; *Porphyromonas gingivalis* (Smalley, J.W. (90) 63)

Halomethane degradation
Reductive dehalogenation; Methanogenic bacteria; Anaerobic archaebacteria; *Methanobacterium barkeri* (Krone, U.E. (90) 201)

Heat shock protein
Neurospora tetrasperma; Ascospore; Spore germination; Gene expression; Cytosine methylation (Plesofsky-Vig, N. (90) 117)

Heterokaryon
Trichoderma pseudokoningii; Anastomosis; Protoplast fusion; Recombinant; Parasexuality; Cellulase (Furlaneto, M.C. (90) 191)

Histone
Pneumocystis carinii; Respiratory burst; Polymorphonuclear leucocyte; Macrophage; Phagocyte; AIDS (Taylor, M.B. (90) 79)

Hydrogenase
Salmonella typhimurium; Gene *ntrA*; Anaerobic metabolism; Fumarate reductase (Fasciano, A. (90) 101)

Hydrophobic antibiotic
Gene *ssc*; Gene *firA*; *Salmonella typhimurium*; *Escherichia coli*; Outer membrane (Hirvas, L. (90) 289)

Immunosuppression
Bordetella bronchiseptica; Dermonecrotizing toxin; Splenoatrophy (Horiguchi, Y. (90) 229)

Inhibition
Adhesion-promoting protein; Amine; Bacterial adhesion; Pellicle; Submandibular-sublingual saliva; *Streptococcus mutans* JBP (Kishimoto, E. (90) 19)

Inhibitor
Thiobacillus versutus; Chemolithotrophy; Thiosulfate; Elemental sulfur; Respiratory activity; Cytochrome (Beffa, T. (90) 123)

Intestine
Escherichia coli STII; Spontaneous motility; Contraction; Diarrhea (Hitotsubashi, S. (90) 249)

Iron transport
Escherichia coli; Siderophore; Aerobactin; Rifampin resistance; Colonization of mouse intestine (Stojiljković, I. (90) 89)

Lactate fermentation
Acetobacterium malicum; Malate fermentation; Growth yield (Strohhäcker, J. (90) 83)

Lactoferrin
Candida albicans; Yeasts; Saliva; Antimicrobial agents (Soukka, T. (90) 223)

Laminarin
Uridine uptake; Peritoneal macrophage; *Candida albicans*; *Saccharomyces cerevisiae*; Zymosan (Busolo, F. (90) 5)

Lectin
Bordetella sp.; Agglutination; Lipopolysaccharide (Corbel, M.J. (90) 245)

Legionella pneumophila
Plasmid; Conjugative; UV resistance (Tully, M. (90) 43)

Leptospiraceae
Polymerase chain reaction; 16S rDNA (Hookey, J.V. (90) 267)

Leuconostoc mesenteroides
Leuconostoc oenos; Bacteriophage; Taxonomy (Boizet, B. (90) 211)

Leuconostoc oenos
Leuconostoc mesenteroides; Bacteriophage; Taxonomy (Boizet, B. (90) 211)

Lipase
Esterase; Lipolytic bacteria; Biochemical characterisation; Chromogenic substrate (Miles, R.J. (90) 283)

Lipid synthesis
Mycobacterium leprae; Biotin (Wheeler, P.R. (90) 169)

Lipolytic bacteria
Lipase; Esterase; Biochemical characterisation; Chromogenic substrate (Miles, R.J. (90) 283)

Lipopolysaccharide
Pasteurella haemolytica; SDS-PAGE analysis (Davies, R.L. (90) 23)

Bordetella sp.; Lectin; Agglutination (Corbel, M.J. (90) 245)

Lipopolysaccharide heterogeneity
Neisseriaceae (Sandlin, R. (90) 69)

Lipopolysaccharide, sialylated
Gonococci; Serum resistance; Surface polysaccharide (Parsons, N.J. (90) 295)

Macrophage
Pneumocystis carinii; Respiratory burst; Histone; Polymorphonuclear leucocyte; Phagocyte; AIDS (Taylor, M.B. (90) 79)

Malaria
Plasmodium falciparum; DNA hybridization (Korpela, K. (90) 173)

Malate fermentation
Acetobacterium malicum; Lactate fermentation; Growth yield (Strohhäcker, J. (90) 83)

Marine cyanobacterium
Synechococcus; Copy number; Plasmid; Sodium chloride (Takeyama, H. (90) 95)

Mastitis
Staphylococcus aureus; Adherence; Microtest; Epithelial cell (Aguilar, B. (90) 161)

Membrane-bound NAD-GDH
Pseudomonas aeruginosa; Glutamate dehydrogenase, NAD-dependent (Joannou, C.L. (90) 205)

Methanobacterium barkeri
Halomethane degradation; Reductive dehalogenation; Methanogenic bacteria; Anaerobic archaebacteria (Krone, U.E. (90) 201)

Methanogen
Archaebacteria (archaea); Flagella; Triton X-100; Detergent; Glycoprotein (Faguy, D.M. (90) 129)

Methanogenic bacteria
Halomethane degradation; Reductive dehalogenation; Anaerobic archaebacteria; *Methanobacterium barkeri* (Krone, U.E. (90) 201)

Microtest
Staphylococcus aureus; Mastitis; Adherence; Epithelial cell (Aguilar, B. (90) 161)

Mitochondrial ATPase
Neurospora tetrasperma; Ascospore; Spore germination; Cyanide-sensitive respiration; Gene expression (Hill, E.P. (90) 111)

Mitochondrial DNA
Aspergillus niger; Restriction mapping (Kirimura, K. (90) 235)

Monoclonal antibodies
Borrelia burgdorferi; Surface proteins; Complement; Borreliacidal activity (Cevenini, R. (90) 147)

Mutans streptococci
Dental plaque bacteria; Proteolytic activity; Synergism (Homer, K.A. (90) 259)

Mycelial growth
Edifenphos (Hinosan); Choline; Branching; *Fusarium graminearum* (Wiebe, M.G. (90) 179)

Mycobacterium aurum
Cloning; Gene expression; Carotenogenesis (Houssaini-Iraqui, M. (90) 239)

Mycobacterium leprae
Biotin; Lipid synthesis (Wheeler, P.R. (90) 169)

Neisseriaceae
Lipopolysaccharide heterogeneity (Sandlin, R. (90) 69)

Neurospora tetrasperma
Ascospore; Spore germination; Cyanide-sensitive respiration; Gene expression; Mitochondrial ATPase (Hill, E.P. (90) 111)

Ascospore; Spore germination; Gene expression; Heat shock protein; Cytosine methylation (Plesofsky-Vig, N. (90) 117)

Neutralisation
Cyclodextrin; Quaternary ammonium compound (Simpson, W.J. (90) 197)

Oleic acid
Peroxisomes; Peroxisome-deficient *(pas)* mutant; β-Oxidation; Continuous cultures; *Saccharomyces cerevisiae* (Evers, M.E. (90) 73)

One-electron oxidation
Chelator; 2-*keto*-4-Thiomethylbutyric acid; Ethylene; Cellulose; Wood decay; *Gloeophyllum trabeum* (Chandhoke, V. (90) 263)

Osmotic alleviation
Rhizobium leguminosarum; Salt stress; Salt tolerance (Chien, C.-T. (90) 135)

Outer membrane
Gene *ssc*; Gene *firA*; *Salmonella typhimurium*; *Escherichia coli*; Hydrophobic antibiotic (Hirvas, L. (90) 289)

β-Oxidation
Peroxisomes; Peroxisome-deficient *(pas)* mutant; Oleic acid; Continuous cultures; *Saccharomyces cerevisiae* (Evers, M.E. (90) 73)

Parasexuality
Trichoderma pseudokoningii; Heterokaryon; Anastomosis; Protoplast fusion; Recombinant; Cellulase (Furlaneto, M.C. (90) 191)

Pasteurella haemolytica
Lipopolysaccharide; SDS-PAGE analysis (Davies, R.L. (90) 23)

Pathogenic
Escherichia coli; Colicin (Bradley, D.E. (90) 49)

Pathogenicity
Aeromonas; Virulence (Janda, J.M. (90) 29)

Pea
Aphanocladium album; *Pisum sativum*; Rust hyperparasite; Chitinase; β-1,3-Glucanase; Fungal growth inhibition (Kunz, C. (90) 105)

Pellicle
Adhesion-promoting protein; Amine; Bacterial adhesion; Inhibition; Submandibular-sublingual saliva; *Streptococcus mutans* JBP (Kishimoto, E. (90) 19)

Penicillin-binding protein
Penicillin resistance; Gene transfer; *Streptococcus pneumoniae*; Viridans streptococci (Chalkley, L. (90) 35)

Penicillin resistance
Penicillin-binding protein; Gene transfer; *Streptococcus pneumoniae*; Viridans streptococci (Chalkley, L. (90) 35)

Penicillium
Eupenicillium; *Aspergillus*; Cell wall polysaccharides; β-(1-5)-Galatofuran; α-(1-3)-Glucan (Leal, J.A. (90) 165)

Peritoneal macrophage
Uridine uptake; *Candida albicans*; *Saccharomyces cerevisiae*; Zymosan; Laminarin (Busolo, F. (90) 5)

Peroxisome-deficient *(pas)* mutant
Peroxisomes; Oleic acid; β-Oxidation; Continuous cultures; *Saccharomyces cerevisiae* (Evers, M.E. (90) 73)

Peroxisomes
Peroxisome-deficient *(pas)* mutant; Oleic acid; β-Oxidation; Continuous cultures; *Saccharomyces cerevisiae* (Evers, M.E. (90) 73)

Phagocyte
Pneumocystis carinii; Respiratory burst; Histone; Polymorphonuclear leucocyte; Macrophage; AIDS (Taylor, M.B. (90) 79)

Phytoene accumulation
Carotenogenic genes; Gene *crtB*; Gene *crtE*; Geranylgeranyl pyrophosphate synthase; Phytoene synthase (Sandmann, G. (90) 253)

Phytoene synthase
Carotenogenic genes; Gene *crtB*; Gene *crtE*; Geranylgeranyl pyrophosphate synthase; Phytoene accumulation (Sandmann, G. (90) 253)

Pili
Adhesion; Southern hybridization; Restriction fragments; Enterotoxigenic; Epidemiology; Escherichia coli (Isaacson, R.E. (90) 141)

Pisum sativum
Aphanocladium album; Rust hyperparasite; Pea; Chitinase; β-1,3-Glucanase; Fungal growth inhibition (Kunz, C. (90) 105)

Plasmid
Legionella pneumophila; Conjugative; UV resistance (Tully, M. (90) 43)

Marine cyanobacterium; *Synechococcus*; Copy number; Sodium chloride (Takeyama, H. (90) 95)

Plasmodium falciparum
Malaria; DNA hybridization (Korpela, K. (90) 173)

Pneumocystis carinii
Respiratory burst; Histone; Polymorphonuclear leucocyte; Macrophage; Phagocyte; AIDS (Taylor, M.B. (90) 79)

Polarised growth
Aspergillus nidulans; Choline-requiring mutant (*cho*C3); Unpolarised growth; Ultrastructure; Wall thickness (Markham, P. (90) 217)

Polymerase chain reaction
Leptospiraceae; 16S rDNA (Hookey, J.V. (90) 267)

Polymorphonuclear leucocyte
Pneumocystis carinii; Respiratory burst; Histone; Macrophage; Phagocyte; AIDS (Taylor, M.B. (90) 79)

Porin, lipopolysaccharide-free
Purification; *Salmonella minnesota* (Latsch, M. (90) 275)

Porphyromonas gingivalis
Haemin; Virulence; Protease; Extracellular vesicles (Smalley, J.W. (90) 63)

Promoter
Xanthomonas campestris; Amylase (Pimenta, A.L. (90) 11)

Protease
Haemin; Virulence; Extracellular vesicles; *Porphyromonas gingivalis* (Smalley, J.W. (90) 63)

Proteolytic activity
Dental plaque bacteria; Mutans streptococci; Synergism (Homer, K.A. (90) 259)

Protoplast fusion
Trichoderma pseudokoningii; Heterokaryon; Anastomosis; Recombinant; Parasexuality; Cellulase (Furlaneto, M.C. (90) 191)

Pseudomonas aeruginosa
Glutamate dehydrogenase, NAD-dependent; Membrane-bound NAD-GDH (Joannou, C.L. (90) 205)

Purification
Porin, lipopolysaccharide-free; *Salmonella minnesota* (Latsch, M. (90) 275)

Quaternary ammonium compound
Cyclodextrin; Neutralisation (Simpson, W.J. (90) 197)

Recombinant
Trichoderma pseudokoningii; Heterokaryon; Anastomosis; Protoplast fusion; Parasexuality; Cellulase (Furlaneto, M.C. (90) 191)

Reductive dehalogenation
Halomethane degradation; Methanogenic bacteria; Anaerobic archaebacteria; *Methanobacterium barkeri* (Krone, U.E. (90) 201)

Respiratory activity
Thiobacillus versutus; Chemolithotrophy; Thiosulfate; Elemental sulfur; Inhibitor; Cytochrome (Beffa, T. (90) 123)

Respiratory burst
Pneumocystis carinii; Histone; Polymorphonuclear leucocyte; Macrophage; Phagocyte; AIDS (Taylor, M.B. (90) 79)

Restriction fragments
Pili; Adhesion; Southern hybridization; Enterotoxigenic; Epidemiology; Escherichia coli (Isaacson, R.E. (90) 141)

Restriction mapping
Aspergillus niger; Mitochondrial DNA (Kirimura, K. (90) 235)

Rhizobium leguminosarum
Salt stress; Salt tolerance; Osmotic alleviation (Chien, C.-T. (90) 135)

Rifampin resistance
Escherichia coli; Iron transport; Siderophore; Aerobactin; Colonization of mouse intestine (Stojiljković, I. (90) 89)

RNA polymerase
Antibody-linked polymerase assay; *Streptomyces aureofaciens* (Farkašovský, M. (90) 57)

Rust hyperparasite
Aphanocladium album; *Pisum sativum*; Pea; Chitinase; β-1,3-Glucanase; Fungal growth inhibition (Kunz, C. (90) 105)

Saccharomyces cerevisiae
Uridine uptake; Peritoneal macrophage; *Candida albicans*; Zymosan; Laminarin (Busolo, F. (90) 5)

Peroxisomes; Peroxisome-deficient *(pas)* mutant; Oleic acid; β-Oxidation; Continuous cultures (Evers, M.E. (90) 73)

Saliva
Lactoferrin; *Candida albicans*; Yeasts; Antimicrobial agents (Soukka, T. (90) 223)

***Salmonella* enteritidis**
DNA probes for *Salmonella (Stanley, J. (90) 153)*

Salmonella minnesota
Porin, lipopolysaccharide-free; Purification (Latsch, M. (90) 275)

Salmonella typhi
Citrobacter freundii; Vi antigen, *ViaB* locus; Cloning (Hashimoto, Y. (90) 53)

Salmonella typhimurium
Gene *ntrA*; Hydrogenase; Anaerobic metabolism; Fumarate reductase (Fasciano, A. (90) 101)

Gene *ssc*; Gene *firA*; *Escherichia coli*; Outer membrane; Hydrophobic antibiotic (Hirvas, L. (90) 289)

Salt stress
Rhizobium leguminosarum; Salt tolerance; Osmotic alleviation (Chien, C.-T. (90) 135)

Salt tolerance
Rhizobium leguminosarum; Salt stress; Osmotic alleviation (Chien, C.-T. (90) 135)

SDS-PAGE analysis
Pasteurella haemolytica; Lipopolysaccharide (Davies, R.L. (90) 23)

Serum resistance
Gonococci; Lipopolysaccharide, sialylated; Surface polysaccharide (Parsons, N.J. (90) 295)

Siderophore
Escherichia coli; Iron transport; Aerobactin; Rifampin resistance; Colonization of mouse intestine (Stojiljković, I. (90) 89)

Sodium chloride
Marine cyanobacterium; *Synechococcus*; Copy number; Plasmid (Takeyama, H. (90) 95)

Southern hybridization
Pili; Adhesion; Restriction fragments; Enterotoxigenic; Epidemiology; Escherichia coli (Isaacson, R.E. (90) 141)

Splenoatrophy
Bordetella bronchiseptica; Dermonecrotizing toxin; Immunosuppression (Horiguchi, Y. (90) 229)

Spontaneous motility
Escherichia coli STII; Intestine; Contraction; Diarrhea (Hitotsubashi, S. (90) 249)

Spore germination
Neurospora tetrasperma; Ascospore; Cyanide-sensitive respiration; Gene expression; Mitochondrial ATPase (Hill, E.P. (90) 111)

Neurospora tetrasperma; Ascospore; Gene expression; Heat shock protein; Cytosine methylation (Plesofsky-Vig, N. (90) 117)

16S rDNA
Leptospiraceae; Polymerase chain reaction (Hookey, J.V. (90) 267)

Staphylococcus aureus
Mastitis; Adherence; Microtest; Epithelial cell (Aguilar, B. (90) 161)

***Streptococcus mutans* JBP**
Adhesion-promoting protein; Amine; Bacterial adhesion; Inhibition; Pellicle; Submandibular-sublingual saliva (Kishimoto, E. (90) 19)

Streptococcus pneumoniae
Penicillin resistance; Penicillin-binding protein; Gene transfer; Viridans streptococci (Chalkley, L. (90) 35)

Streptomyces aureofaciens
Antibody-linked polymerase assay; RNA polymerase (Farkašovský, M. (90) 57)

Streptomycete
6-Deoxyhexose metabolism; DNA probe (Stockmann, M. (90) 185)

Submandibular-sublingual saliva
Adhesion-promoting protein; Amine; Bacterial adhesion; Inhibition; Pellicle; *Streptococcus mutans* JBP (Kishimoto, E. (90) 19)

Surface polysaccharide
Gonococci; Serum resistance; Lipopolysaccharide, sialylated (Parsons, N.J. (90) 295)

Surface proteins
Borrelia burgdorferi; Monoclonal antibodies; Complement; Borreliacidal activity (Cevenini, R. (90) 147)

Synechococcus
Marine cyanobacterium; Copy number; Plasmid; Sodium chloride (Takeyama, H. (90) 95)

Synergism
Dental plaque bacteria; Mutans streptococci; Proteolytic activity (Homer, K.A. (90) 259)

Taxonomy
Leuconostoc oenos; *Leuconostoc mesenteroides*; Bacteriophage (Boizet, B. (90) 211)

Thiobacillus versutus
Chemolithotrophy; Thiosulfate; Elemental sulfur; Respiratory activity; Inhibitor; Cytochrome (Beffa, T. (90) 123)

2-*keto*-4-Thiomethylbutyric acid
Chelator; Ethylene; One-electron oxidation; Cellulose; Wood decay; *Gloeophyllum trabeum* (Chandhoke, V. (90) 263)

Thiosulfate
Thiobacillus versutus; Chemolithotrophy; Elemental sulfur; Respiratory activity; Inhibitor; Cytochrome (Beffa, T. (90) 123)

Trichoderma pseudokoningii
Heterokaryon; Anastomosis; Protoplast fusion; Recombinant; Parasexuality; Cellulase (Furlaneto, M.C. (90) 191)

Triton X-100
Archaebacteria (archaea); Methanogen; Flagella; Detergent; Glycoprotein (Faguy, D.M. (90) 129)

Ultrastructure
Aspergillus nidulans; Choline-requiring mutant (*cho*C3); Polarised growth; Unpolarised growth; Wall thickness (Markham, P. (90) 217)

Unpolarised growth
Aspergillus nidulans; Choline-requiring mutant (*cho*C3); Polarised growth; Ultrastructure; Wall thickness (Markham, P. (90) 217)

Uridine uptake
Peritoneal macrophage; *Candida albicans*; *Saccharomyces cerevisiae*; Zymosan; Laminarin (Busolo, F. (90) 5)

UV resistance
Legionella pneumophila; Plasmid; Conjugative (Tully, M. (90) 43)

Vi antigen, *ViaB* locus
Salmonella typhi; *Citrobacter freundii*; Cloning (Hashimoto, Y. (90) 53)

Viridans streptococci
Penicillin resistance; Penicillin-binding protein; Gene transfer; *Streptococcus pneumoniae* (Chalkley, L. (90) 35)

Virulence
Aeromonas; Pathogenicity (Janda, J.M. (90) 29)

Haemin; Protease; Extracellular vesicles; *Porphyromonas gingivalis* (Smalley, J.W. (90) 63)

Wall thickness
Aspergillus nidulans; Choline-requiring mutant (*cho*C3); Polarised growth; Unpolarised growth; Ultrastructure (Markham, P. (90) 217)

Wood decay
Chelator; 2-*keto*-4-Thiomethylbutyric acid; Ethylene; One-electron oxidation; Cellulose; *Gloeophyllum trabeum* (Chandhoke, V. (90) 263)

Xanthomonas campestris
Amylase; Promoter (Pimenta, A.L. (90) 11)

Yeasts
Lactoferrin; *Candida albicans*; Saliva; Antimicrobial agents (Soukka, T. (90) 223)

Zymosan
Uridine uptake; Peritoneal macrophage; *Candida albicans*; *Saccharomyces cerevisiae*; Laminarin (Busolo, F. (90) 5)